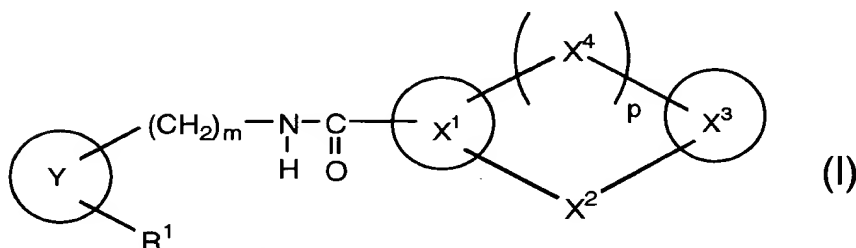


ABSTRACT

The present invention provides novel compounds having a dual antagonistic activity against thromboxane A₂ receptor and prostaglandin D₂ receptor and pharmaceutical compositions comprising them.

A compound of the formula (I):



wherein R¹ is $-CH_2-CH=CH-CH_2-CH_2-CH_2-COOR_2$ or $-CH=CH-CH_2-CH_2-CH_2-COOR_2$; R₂ is hydrogen or alkyl; m is 0 or 1; p is 0 or 1; X¹ and X³ each is independently optionally substituted aryl or optionally substituted heteroaryl; X² is a bond, $-CH_2-$, $-S-$, $-SO_2-$, $-CH_2-O-$, $-O-CH_2-$, $-CH_2-S-$, $-S-CH_2-$, or the like; X⁴ is $-CH_2-$, $-CH_2-CH_2-$, $-C(=O)-$, or the like, have a dual antagonistic activity against both a thromboxane A₂ receptor and a prostaglandin D₂ receptor.